

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D135-1027 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D135-1027 REV. 2 OR LATER APPROVED REVISIONS

REF. TCCA STC: SH18-49
REF. FAA STC: SR04276NY
REF. EASA STC: 10068097
REF. DGAC MEXICO STC: IA-633/2019

1.0 PURPOSE

The purpose of this Dart Service Instruction (DSI) is to provide instructions to allow customers to install AS22-38-11B and AS22-38-12C Cargo Hook Attachment Fittings (or equivalent) onto D135-1027-101/-103/-201/-203 Crosstubes Installations @ CHG 001. The required provisions are pre-drilled on CHG 002 or later crosstubes.

2.0 INSTALLATION

2.1 If required, remove the landing gear from the aircraft per Chapter 32.1 of ICA-D135-1027.

2.2 On the D135-1027-241/-243 Aft Crosstube, install MS21043-3 Lock Nut and trim the forward side of the central grounding stud leaving 1.5 - 4 threads in safety as shown in Figure 1 of this Service Instruction. If required for clearance, it is permissible to remove the MS35650-304 Hex Nut and replace with the MS21043-3 Lock Nut only to allow additional trimming. Tighten MS21043-3 until snug.

Note: It is no longer permissible to use the fwd-center grounding stud of the D135-1027-241/-243 Aft crosstube for grounding.

2.3 Drill 2x $\phi 0.236$ "-0.244" ($\phi 6.0$ -6.2 mm) holes on the fwd side of the D135-1027-241/-243 Aft Crosstube as shown in Figure 1 of this Service instruction. The holes are symmetrical about the center of the Aft Crosstube and 6.752" - 6.791" (171.5 - 172.5mm) apart. It is recommended to transfer mark holes from OEM aft cargo hook attachment cross-bracket to ensure correct fit.

2.4 Drill 1x $\phi 0.236$ "-0.244" ($\phi 6.0$ -6.2 mm) hole in the middle of the aft side of the D135-1027-141/-143 Fwd Crosstube as shown in Figure 2 of this service instruction.

2.5 Deburr all holes and remove any debris from the inside of the crosstube. Touch up the affected area using chemical film (Alodine 1200 or 1201) per MIL-DTL-5541.

2.6 Install the cargo hook attachment fittings per the Aircraft Maintenance Manual. If the attachment fittings are not installed, seal all the holes with Proseal 890 or sealant per ICA-D135-1027 Chapter 32. Allow sealant to cure per manufacturer's recommendations.


CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
C. PROVENCAL (DE # 03)

DATE: 19.09.05
CERT. NO.: SH18-49
ISSUE NO.: 1

APPROVED

A	NEW ISSUE	MW	19.09.05
REV.	DESCRIPTION	BY	DATE
DESIGN	MW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MW		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9834	SHEET 1 OF 2
APPROVED	NO	TITLE	SCALE
DE APPR.	CP 	CARGO HOOK PROVISIONS	NTS
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2.7 Install the crosstubes or complete landing gear on the aircraft in accordance with Installation Instructions IIN-D135-1027 or Instructions for Continued Airworthiness ICA-D135-1027 as appropriate.

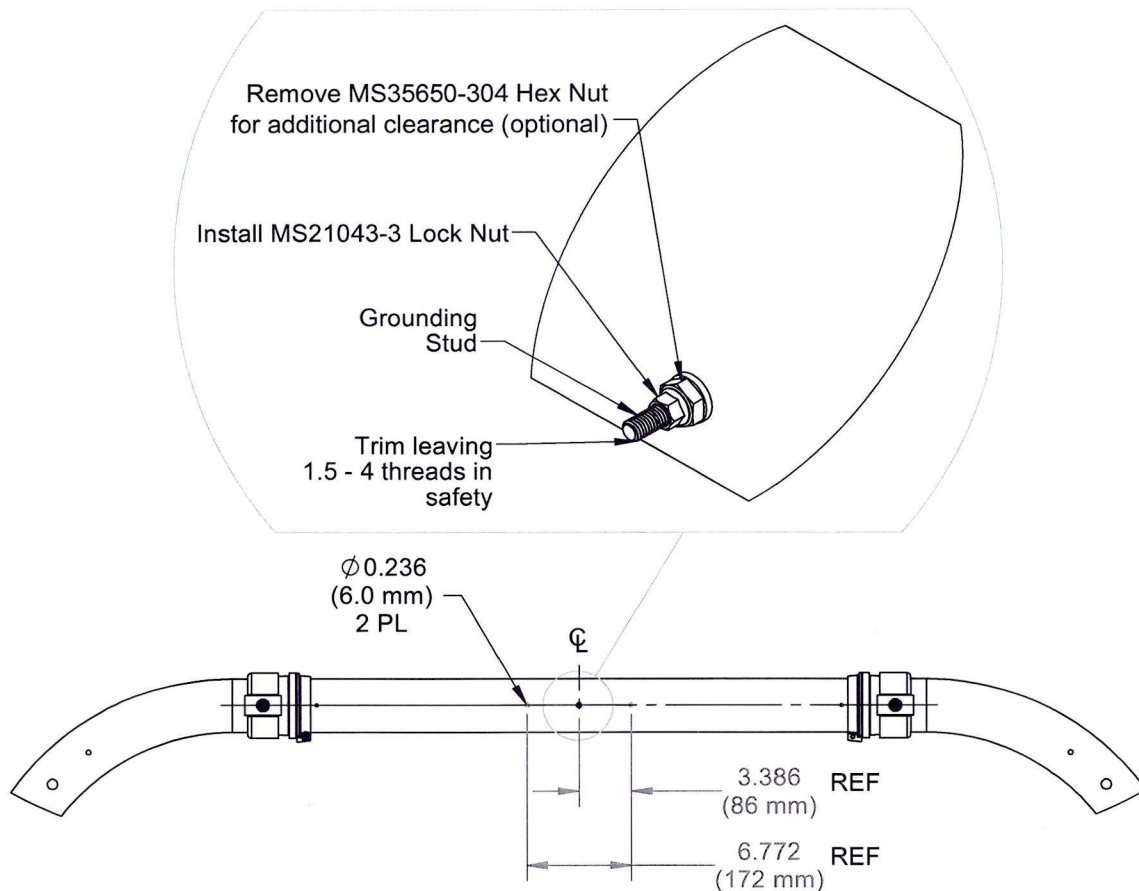


FIGURE 1: D135-1027-241/-243 AFT CROSTUBE
(VIEW LOOKING AFT)

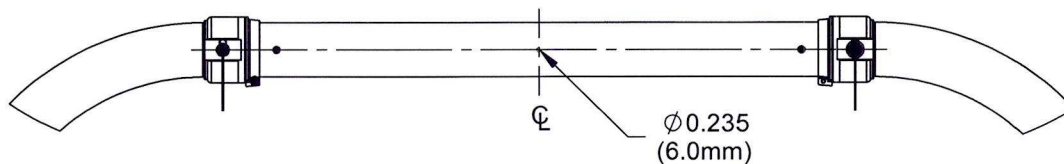


FIGURE 2: D135-1027-141/-143 FWD CROSTUBE
(VIEW LOOKING FWD)

3.0 WEIGHT AND BALANCE

This DSI has negligible effect of weight and balance.

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DESIGN	MW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MW		
CHECKED	NO	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9834	SHEET 2 OF 2
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